

Title (en)
A SORBENT FOR A DIALYSIS DEVICE

Title (de)
SORBENS FÜR EIN DIALYSEGERÄT

Title (fr)
SORBANT POUR UN DISPOSITIF DE DIALYSE

Publication
EP 2303354 A1 20110406 (EN)

Application
EP 09770498 A 20090622

Priority
• SG 2009000229 W 20090622
• US 7499708 P 20080623

Abstract (en)
[origin: WO2009157877A1] There is provided a sorbent for removing metabolic waste products from a dialysis liquid, the sorbent comprising a layer of immobilized uremic toxin-treating enzyme particles intermixed with cation exchange particles.

IPC 8 full level
A61M 1/28 (2006.01); **B01D 15/04** (2006.01); **B01J 20/22** (2006.01)

CPC (source: BR CN EP US)
A61M 1/16 (2013.01 - CN); **A61M 1/1696** (2013.01 - BR EP US); **A61M 1/28** (2013.01 - BR CN EP US); **A61M 1/3679** (2013.01 - BR US); **A61M 1/3687** (2013.01 - BR US); **B01D 15/206** (2013.01 - BR EP US); **B01D 15/362** (2013.01 - BR EP US); **B01D 15/363** (2013.01 - BR EP US); **B01J 20/0211** (2013.01 - CN); **B01J 20/06** (2013.01 - BR EP US); **B01J 20/20** (2013.01 - BR EP US); **B01J 20/22** (2013.01 - BR EP US); **B01J 20/24** (2013.01 - CN); **B01J 20/28035** (2013.01 - CN); **B01J 20/28052** (2013.01 - BR EP US); **B01J 39/12** (2013.01 - BR EP US); **B01J 41/10** (2013.01 - BR EP US); **B01J 2220/46** (2013.01 - CN)

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2009157877 A1 20091230; AU 2009263045 A1 20091230; AU 2009263045 B2 20140710; AU 2009263046 A1 20091230; AU 2009263046 B2 20140724; BR PI0915397 A2 20151103; BR PI0915397 B1 20200609; BR PI0915397 B8 20210622; BR PI0915400 A2 20151103; CN 102123749 A 20110713; CN 102176934 A 20110907; CN 102176934 B 20140219; CN 106111079 A 20161116; EP 2303354 A1 20110406; EP 2303354 A4 20180321; EP 2303354 B1 20200812; EP 2310069 A1 20110420; EP 2310069 A4 20170712; EP 2310069 B1 20200909; ES 2821448 T3 20210426; ES 2823159 T3 20210506; JP 2011525403 A 20110922; JP 2011525404 A 20110922; JP 2015013129 A 20150122; JP 2016214906 A 20161222; JP 5439482 B2 20140312; JP 6588873 B2 20191009; NZ 590467 A 20130328; NZ 590471 A 20130426; RU 2011102163 A 20120727; RU 2011102164 A 20120727; RU 2514956 C2 20140510; RU 2525205 C2 20140810; TW 201008637 A 20100301; TW 201014622 A 20100416; TW I482659 B 20150501; US 11590272 B2 20230228; US 2011171713 A1 20110714; US 2011184340 A1 20110728; US 2016151555 A1 20160602; US 2020179589 A1 20200611; US 9067017 B2 20150630; US 9242036 B2 20160126; WO 2009157878 A1 20091230

DOCDB simple family (application)
SG 2009000229 W 20090622; AU 2009263045 A 20090622; AU 2009263046 A 20090622; BR PI0915397 A 20090622; BR PI0915400 A 20090622; CN 200980131854 A 20090622; CN 200980132327 A 20090622; CN 201610512305 A 20090622; EP 09770498 A 20090622; EP 09770499 A 20090622; ES 09770498 T 20090622; ES 09770499 T 20090622; JP 2011516227 A 20090622; JP 2011516228 A 20090622; JP 2014146372 A 20140717; JP 2016150024 A 20160729; NZ 59046709 A 20090622; NZ 59047109 A 20090622; RU 2011102163 A 20090622; RU 2011102164 A 20090622; SG 2009000230 W 20090622; TW 98120991 A 20090623; TW 98120993 A 20090623; US 200913000811 A 20090622; US 200913000830 A 20090622; US 201514982482 A 20151229; US 202016792774 A 20200217